SOMECO

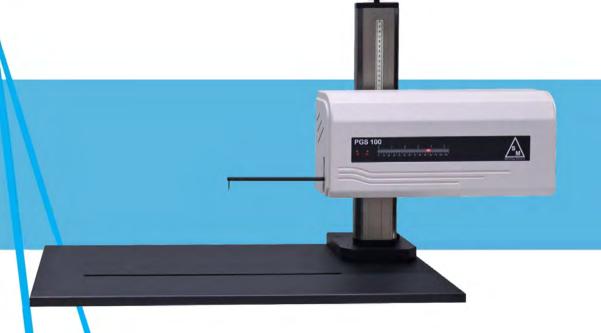# Profilometer
PGS100

The best way to measure

ACCESSORIES BQMECO

3 AXIS POSITIONER
Code: 3.400

Allows loading and unloading operations of the piece and its positioning, since it features 3 axes: translation along X and Y axes and rotation around the Z axis.

4 AXIS POSITIONER
Code: 3.401

The positioner features 4 levels of movement: translation along X- Y axes, rotation around the Z axis and tilting around the X axis to tilt pieces (+/-30°).

VICE
Code: 3.403

Helps locking the piece and it is ready to be anchored to the 3 or 4-axis positioner. Precision vice made in steel and ground on all sides, jaw length of 60 mm, tightening up to 42 mm.

CALIBRATION SPECIMEN
Code: 6.300

Specimen used to calibrate the machine, dimensions 45x45 mm and radius 3mm, with certificate.

PROBE

Chisel (15° ; r = 20 μm)
Tip 21 mm - Code 3.300
Tip 31 mm - Code 3.301
Tip 41 mm - Code 3.302
Tip 51 mm - Code 3.303

Spherical:
Ruby Ø1 - h32rnm - Code 3.307
Ruby Ø2 - h32mm - Code 3.309
Ruby Ø1 - h32mm - Code 3.306
Ruby Ø2 - h32mm - Code 3.310

MEASURING ARM
Code: 3.305

Measuring carbon arm, with 32mm chisel tip.

MINIATURIZED ARM
Code: 3.304

Measuring carbon arm, with chisel tip, for small holes (min Ø 8mm)

ECCENTRIC ARM
Code: 3.308

Measuring carbon arm with extension to 90° x 50mm with 32mm chisel tip.

TECHNICAL DATA

Unit system:	Millimeters and inches
Evaluation length (X):	130 mm (5,12 in)
Range of measure (Z):	50 mm (1,97 in)
Column (Y):	320 mm (12,6 in) manual positioning
Sampling interval (X):	0,5 μm (0,02 μin)
Work surface:	Aluminum with "T" cave of 500 mm x 10 mm (20 in x 0,4 in), profoundity 14 mm (0,55 in).
Axis Z resolution:	0,2 μm (0,008 μin)
Positioning speed:	0-10 mm/s (0-7 in/s)
Measuring speed:	From 0,2 mm/s to 2 mm/s (from 0,008 in/s to 0,08 in/s)
Radius tip:	20 μm (0,8 μin)
CNC function:	CNC automatic measuring and positioning cycle with auto-comparing function
Connection type:	USB interface for connecting to Windows(©) PC
Language:	English, French, Italian, German, Spanish, Portuguese and Slovenian
Dimensions (L x D x H):	1030 x 410 x 660 mm (41 x 16 x 26 in)
Total weight:	34 kg (75 lbs)
Power supply:	110-240 V ; 50-60 Hz
Working temperature:	15 - 25°C (59 - 77°F)
Software:	Profile Studio Basic